

REMARKS

In the Office Action mailed August 11, 2006, the Examiner noted that claims 1-30 were pending and rejected claims all. Claims 1, 9, 17-25, 27, 28 and 30 have been amended, claims 26 and 29 have been canceled, new claim 31 has been added and, thus, in view of the forgoing claims 1-25, 27-28, 30 and 31 remain pending for reconsideration which is requested. No new matter has been added. The Examiner's rejections are traversed below.

In the Office Action the Examiner rejected claims 9-24, 26-27 and 29-30 under 35 U.S.C. section 101 as non-statutory. The claims have been amended in consideration of the Examiner's comments and it is submitted they satisfy the requirements of the statute. In particular, it is submitted that "specifying one or more types of analyses", "obtaining necessary conditions" and "generating analytical data" as "integrated data" are submitted to be useful, concrete and tangible in the context of a system where geometric data for a CAD system is involved to allow a user to set up a type of analysis, obtain necessary conditions for the analysis and pass the geometrical data, the selected type of analysis and the necessary conditions to the analytical program that performs that analysis. That is, it is useful, concrete and tangible to do those things necessary to set up the requirements for an analysis one of plural analyses that can be performed by an analytical program and in particular to produce such "integrated data". Withdrawal of the rejection is requested.

On page 3 of the Office Action, the Examiner rejected claims 1-3, 5, 7-11, 13, 15-19, 21 and 23-30 under 35 U.S.C. § 102 as anticipated by Muuss. Page 5 of the Office Action rejects claims 4, 6, 12, 14, 20 and 22 under 35 U.S.C. § 103 over Muuss and Tsap.

Muuss discusses the processing of the data of an object using various characteristic data for the object and geometric data used in the analysis. That is, Muuss is about performing an analysis.

In contrast, the claims of this application are about things that happen before the analysis occurs, in what could be called the set-up stage. Because an analytical analysis can be very expensive, it is important to set-up the analysis in a way that allows it to be started very efficiently. The present invention is about such efficiency improvements. The present invention is about obtaining and storing the data for the analysis as "integrated data". As a result, the present claims call for specifying a type of analysis, obtaining necessary conditions and generating analytical data for an analysis as integrated data. Having such integrated data is

very advantageous because it allows all of the data needed to an analysis to be read into the analysis at the same time. Muuss says nothing about this.

Tsap is cited by the Examiner for its mesh forming discussion and adds nothing to Muuss with respect to the features of the claims as discussed above.

It is submitted that the independent claims distinguish over the prior art and withdrawal of the rejection is requested.

The dependent claims depend from the above-discussed independent claims and are patentable over the prior art for the reasons discussed above. The dependent claims also recite additional features not taught or suggested by the prior art. For example, claim 2 calls for the analytical data to be generated using the analytical conditions as header information. Once again this approach improves the efficiency of analytical process set-up, something not taught or suggested by the prior art. It is submitted that the dependent claims are independently patentable over the prior art.

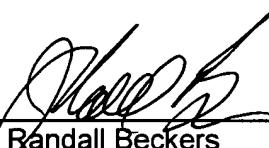
New claim 31 emphasizes the set-up for the analysis by the analytical program includes specifying certain data as a header for the data to be analyzed. Nothing in the prior art teaches or suggests such. It is submitted that this new claim, which is different and not narrower than prior filed claims, distinguishes over the prior art.

It is submitted that the claims satisfy the requirements of 35 U.S.C. 101. It is also submitted that the claims are not taught, disclosed or suggested by the prior art. The claims are therefore in a condition suitable for allowance. An early Notice of Allowance is requested.

If any further fees, other than and except for the issue fee, are necessary with respect to this paper, the U.S.P.T.O. is requested to obtain the same from deposit account number 19-3935.

Respectfully submitted,
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Date: 11/13/06

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